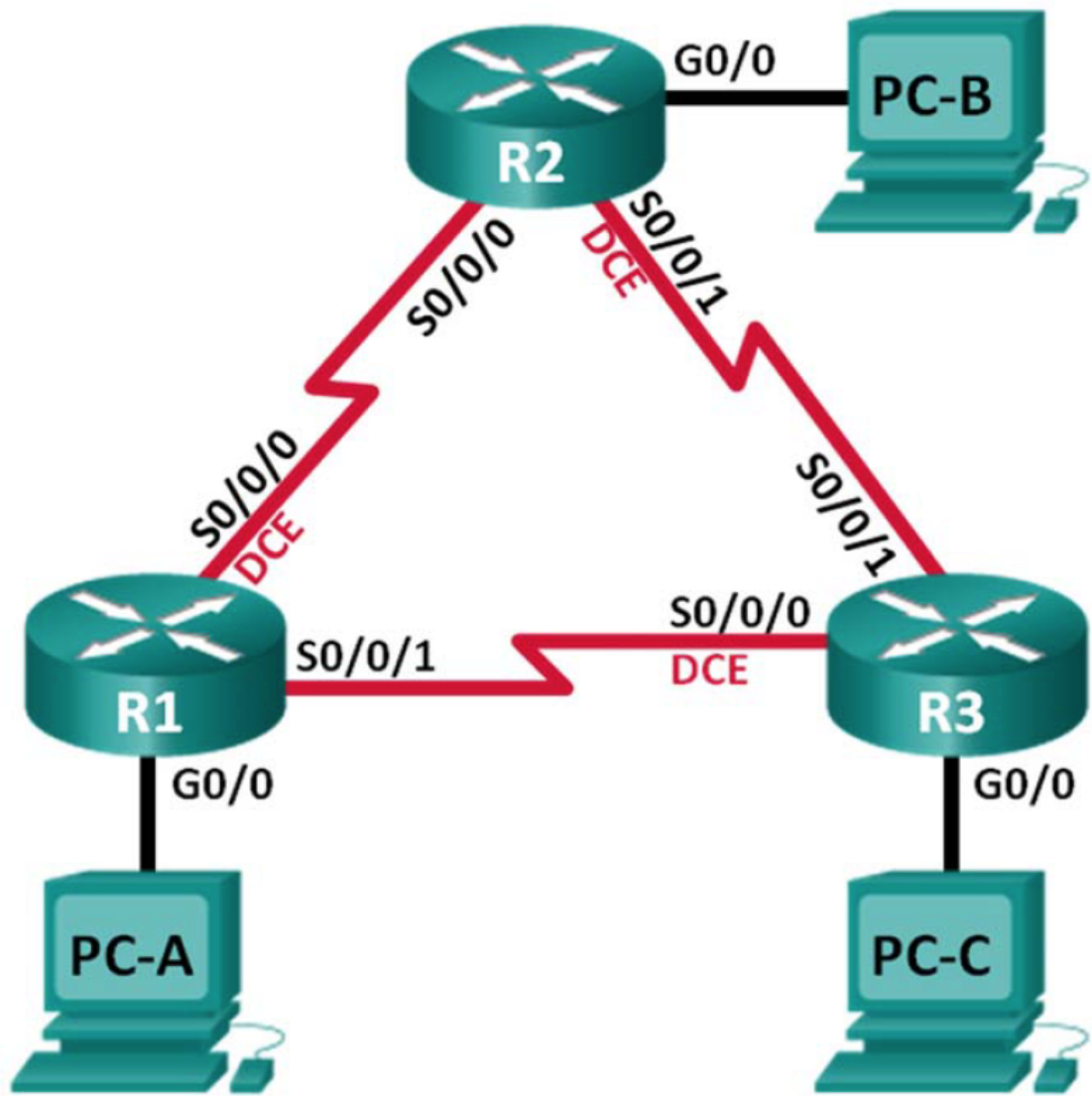# EIGRP

EIGRP

The routers should be able to ping one another, and each PC should be able to ping its default gateway. The PCs will **not** be able to ping other PCs until EIGRP routing is configured. Verify and troubleshoot if necessary.

Advertise the directly connected networks on R1 using the wildcard mask.

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	G0/0	192.168.1.1	255.255.255.0	N/A
	S0/0/0 (DCE)	10.1.1.1	255.255.255.252	N/A
	S0/0/1	10.3.3.1	255.255.255.252	N/A

```
router eigrp 10
network 192.168.1.0 0.0.0.255
network 10.1.1.0 0.0.0.3
network 10.3.3.0 0.0.0.3
```

do the same for al routers

> show ip eigrp neighbors
> show ip route eigrp

Bandwith

on R1

```
interface s0/0/0
bandwidth 2000
interface s0/0/1
bandwidth 64
```

on r2

```
interface s0/0/0
bandwidth 2000
interface s0/0/1
bandwidth 2000
```

on r3

```
interface s0/0/0
bandwidth 64
interface s0/0/1
bandwidth 2000
```

> show interface s0/0/0

Passieve interface

```
router eigrp 10
passive-interface g0/0
```

> show ip protocols